

WHAT IS CLAIMED IS:

1. A method for playing an optical disc, comprising the steps of:

(a) explaining a command document;

5 (b) reading an auxiliary information in advance according to the explained command document to cooperate to play corresponding main information of the optical disc; and

(c) playing the corresponding main information cooperating with the auxiliary information read in advance when the auxiliary information is needed.

10 2. The method for playing an optical disc according to claim 1, wherein the auxiliary information read in advance is input into a buffering management device in advance.

15 3. The method for playing an optical disc according to claim 1 or 2, wherein the information read in advance includes at least one of the auxiliary information which is downloaded from network or read directly from the optical disc.

4. A method for playing an optical disc, comprising the steps of:

20 (a) obtaining position of the main information which needs the auxiliary information to cooperate to play;

(b) reading the auxiliary information in advance; and

(c) playing the main information cooperating with the auxiliary information read in advance at the position .

25

5. The method for playing an optical disc according to claim 4, further including explaining a command document.

30 6. The method for playing an optical disc according to claim 5, wherein in step (a) the position of the main information which needs the auxiliary

information to cooperate to play is obtained according to the explained command document

7. The method for playing an optical disc according to claim 5, wherein in step (b) obtaining the auxiliary information read in advance according to the explained command document.

8. The method for playing an optical disc according to any of claims from 4 to 7, wherein reading the auxiliary information in advance is implemented as inputting the auxiliary information into a buffering management device in advance.

9. An optical disc player, comprising:

an explaining device for explaining a command document; and
a buffering management device for obtaining the auxiliary information in advance according to the explained command document to cooperate to play the main information of the optical disc subsequently.

10. The player according to claim 9, further including a network management device for detecting whether there is the updated command document on the network.

11. An optical disc, including the main information and the auxiliary information stored separately from the main information, characterized in that the optical disc also includes a part for instructing to play the main information cooperating with the auxiliary information.

12. The optical disc according to claim 11, wherein the part includes a command document.

13. The optical disc according to claim 11 or 12, wherein the command document includes an ID corresponding to a playing list when playing the main information of the disc cooperating with the auxiliary information, the time spot when inputting the auxiliary information described by a physical command information into a buffer of a player and the time spot when clearing up the auxiliary information from the buffer.

14. The optical disc according to claim 13, wherein the command document
also includes the URL used as a backup, the strategy for solving the
problems that the size of the information contained in the physical command
information is too small and that the speed of net is not fast enough, the
5 strategy for matching with the state of the player and the aim buffering zone
into which the physical command document needs to be input.